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Attorney's Docket No. 038779/271509

PATENT

## IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re: Moon et al. Confirmation No.: 6451  
Appl. No.: 10/720,662 Art Unit: 1648  
Filed: November 24, 2003 Examiner: Unknown  
For: PRE-S PROTEIN OF HEPATITIS B VIRUS (HBV) AS AN ADJUVANT  
AND A COMPONENT OF HBV VACCINE

Mail Stop Amendment  
Commissioner for Patents  
P.O. Box 1450  
Alexandria, VA 22313-1450

**SUPPLEMENTAL INFORMATION DISCLOSURE STATEMENT  
CITATION UNDER 37 C.F.R. § 1.97**

Sir:

Attached is a list of documents on form PTO-1449. In accordance with the Office waiver published July 11, 2003, copies of the cited U.S. patents and patent application publications are not enclosed. Applicant does enclose copies of any cited foreign patent documents and non-patent literature in accordance with 37 CFR 1.98(a)(2).

It is requested that the Examiner consider these documents and officially make them of record in accordance with the provisions of 37 C.F.R. § 1.97 and Section 609 of the MPEP. By submitting the listed documents, Applicant in no way makes any admission as to the prior art status of the listed documents, but is instead submitting the listed documents for the sake of full disclosure.

Respectfully submitted,

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CERTIFICATE OF MAILING

I hereby certify that this correspondence is being deposited with the United States Postal Service with sufficient postage as first class mail in an envelope addressed to:

Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450, on June 23, 2004

Vamara Stevens

Substitute for form 1449/PTC  
(Revised 04/2003)

JUN 28 2004

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**INFORMATION DISCLOSURE  
STATEMENT BY APPLICANT**

(Use as many sheets as necessary)

Sheet

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of

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Complete if Known	
Application Number	10/720,662
Filing Date	November 24, 2003
First Named Inventor	Moon et al.
Group Art Unit	1648
Examiner Name	Unknown
Attorney Docket Number	038779/271509

**OTHER DOCUMENTS**

Examiner Initials	Cite No.	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.	English Language Translation Attached
	4	GUIDOTTI ET AL, Viral Clearance Without Destruction of Infected Cells during Acute HBV Infection, Science 1999 284: 825 - 829	
	5	ITOH ET AL, A Synthetic Peptide Vaccine Involving the Product of the Pre-S(2) Region of Hepatitis B Virus DNA: Productive Efficacy in Chimpanzees, 1986 Proc. Natl. Acad. Sci USA 83: 9174-9178	
	6	JONES ET AL, T-cell and Antibody Response Characterization of a New Recombinant pre-S1, pre-S2 and SHBs Antigen-Containing Hepatitis B Vaccine; Demonstration of Superior Anti-SHBs Antibody Induction in Responder Mice, 1999 Vaccine 17: 2528 - 2537	
	7	KLINKERT ET AL, Pre-S1 Antigens and Antibodies Early in the Course of Acute Hepatitis B Virus Infection, 1986 J. Virol. 58: 522-525	
	8	MCALEER ET AL, Human Hepatitis B Vaccine from Recombinant Yeast, Nature 1984 307: 178-180	
	9	MICHEL ET AL, Immunotherapy of Chronic Hepatitis B by Anti HBV Vaccine: From Present to Future, 2001 Vaccine 19: 2395-2399	
	10	MILICH ET AL, Enhanced Immunogenicity of the Pre-S Region of Hepatitis B Surface Antigen, Science 1985 228: 1195 - 1199	
	11	MILICH ET AL, Immune Response to the Pre-S(1) Region of the Hepatitis B Surface Antigen (HbsAG): A Pre-S(1)-Specific T Cell Response Can Bypass Nonresponsiveness to the Pre-S(2) and S Regions of HbsAg, 1986 J. Immunol 137: 315-322	
	12	PRIDE ET AL, Evaluation of B and T-Cell Responses in Chimpanzees Immunized with Hepagene, a Hepatitis B Vaccine Containing Pre-S1, Pre-S2 and S Gene Products, 1998 Vaccine 16: 543-550	
	13	SEEGER ET AL, Hepatitis B Virus Biology, Microbiology and Molecular Biology Reviews 2000 64: 51-68	

Examiner Signature		Date Considered	
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\*Examiner: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.